

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A gasification boiler for solid fuels, ~~in particular for bales of straw, with optimized exhaust gas values and burn-up at the bottom,~~ the boiler comprising:
a fuel and gasification space ~~which can be closed by means of a filling door and has closable by a filling door and having~~ air feeds and depressions for collecting ash, the depressions disposed adjacent to [[,]] a grating arranged at the bottom of the fuel and gasification space [[,]];
a combustion space situated below [[it]] the grating; ~~and an ash separator, heat exchange surfaces and fan arranged behind it in terms of flow, characterized~~
~~in that the fuel and gasification space has depressions for collecting ash laterally next to the centrally arranged grating and the combustion space,~~
a ~~cylindrical~~ secondary combustion chamber ~~designed as an additional constructional unit is connected to the~~ an outlet of the combustion space [[,]] ; and
~~and a cylindrical~~ an ash separator which is designed as an additional constructional unit and located downstream from the secondary combustion chamber, [[is]] the ash separator being connected to a known heat exchanger ~~is connected to the combustion chamber.~~

2. (Currently Amended) The gasification boiler as claimed in claim 1, characterized in that the ~~lower, lateral~~ depressions of the fuel and gasification space are of half-shell-shaped design and run parallel to the combustion space and ~~the latter is in each~~ depression ~~has case assigned~~ a small door for the removal of ash.

3. (Currently Amended) The gasification boiler as claimed in claim 1 characterized in that the ~~cylindrical~~ secondary combustion chamber is cylindrical and connected at the bottom tangentially to the outlet of the combustion space, so that the combustion gas rises therein in a swirling manner and in that the combustion chamber can be closed at the top by a cover.

4. (Currently Amended) The gasification boiler as claimed in claim 1 characterized in that the ~~cylindrical~~ ash separator is cylindrical and connected at the top tangentially to the outlet of the secondary combustion chamber, and wherein a flue substantially vertical pipe with the opening approximately halfway up is arranged centrally within the ash separator, the pipe having a lower opening approximately halfway up a height of the ash separator.

5. (Currently Amended) The gasification boiler as claimed in claim 4, characterized in that a circular baffle plate is fitted below the opening of the ~~flue~~ pipe in such a manner that an annular opening for the depositing of ash remains from ~~the~~ an outer wall of the ash separator, and in that the ash separator can be closed at the top by a cover.

6. (Currently Amended) The gasification boiler as claimed in claim 1 characterized in that the ~~cylindrical~~ secondary combustion chamber, the ~~cylindrical~~ ash separator and the heat exchanger are connected in a framework to form a constructional unit.

7. (Currently Amended) The gasification boiler as claimed in claim 2 characterized in that the ~~cylindrical~~ secondary combustion chamber is cylindrical and connected at the bottom tangentially to the outlet of the combustion space so that the combustion gas rises therein in a swirling manner and in that the combustion chamber can be closed at the top by a cover.

8. (Currently Amended) The gasification boiler as claimed in claim 2 characterized in that the ~~cylindrical~~ ash separator is cylindrical and connected at the top tangentially to the outlet of the combustion chamber, and a ~~flue~~ substantially vertical pipe with the opening approximately halfway up is arranged centrally within the ash separator, the pipe having a lower opening approximately halfway up a height of the ash separator.

9. (Currently Amended) The gasification boiler as claimed in claim 3 characterized in that the ~~cylindrical~~ ash separator is cylindrical and connected at the top

tangentially to the outlet of the secondary combustion chamber, and wherein a ~~flue~~ substantially vertical pipe ~~with the opening approximately halfway up~~ is arranged centrally within the ash separator, the pipe having a lower opening approximately halfway up a height of the ash separator.

10. (Currently Amended) The gasification boiler as claimed in claim 2 characterized in that the ~~cylindrical~~ secondary combustion chamber, the ~~cylindrical~~ ash separator and the heat exchanger are connected in a framework to form a constructional unit.

11. (Currently Amended) The gasification boiler as claimed in claim 3 characterized in that the ~~cylindrical~~ secondary combustion chamber, the ~~cylindrical~~ ash separator and the heat exchanger are connected in a framework to form a constructional unit.

12. (Currently Amended) The gasification boiler as claimed in claim 4 characterized in that the ~~cylindrical~~ secondary combustion chamber, the ~~cylindrical~~ ash separator and the heat exchanger are connected in a framework to form a constructional unit.

13. (Currently Amended) The gasification boiler as claimed in claim 5 characterized in that the ~~cylindrical~~ secondary combustion chamber, the ~~cylindrical~~ ash separator and the heat exchanger are connected in a framework to form a constructional unit.